

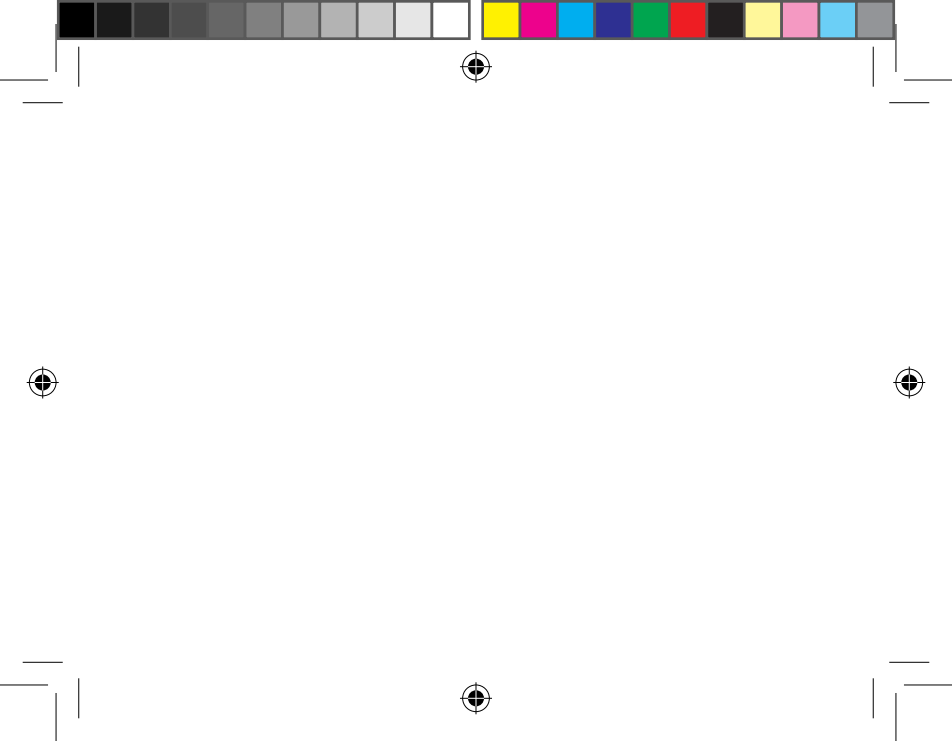


ATC Chameleon DUAL LENS

ACTION VIDEO CAMERA

User Manual

SmartLiving





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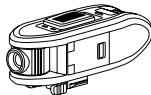
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Package Contents

Thank you for purchasing the ATCChameleon Dual lens Action Camera, this package should contain the:

1. Main Camera Unit
2. Base mount
3. Vented mount
4. Tripod mount
5. USB cable
6. Quick Start Guide



1.



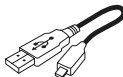
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6.



Technical Specifications

Sensor resolution	2M pixels CMOS (both front and rear lens)
Memory card	Supports Micro SD/SDHC Class 4 card or above and compatible up to 32GB (not included)
Movie storage	Horizontal split mode -- 960x720P pixels each view, 30fps (combined video = 1920x720P) Vertical split mode -- 1280x720P pixels each view, 30fps (combined video = 1280x1440P)
Focusing range	2m~infinity
Movie images	MP4
USB Interface	USB 2.0
Rechargeable battery (built-in) capacity	1050mAh
Dimensions	114.5mm(L) x 40mm(W) x 48mm(H)
Waterproof standard	IPX4
Operating systems for PC software	WinXP / Vista / 7 or Apple Mac OS X 10.7 or above





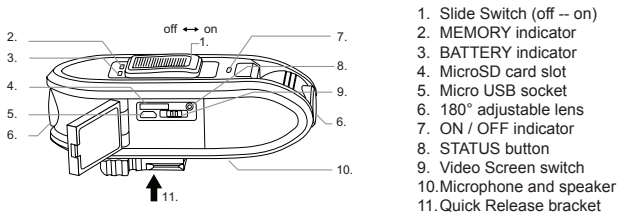
Computer System Requirements

Minimum System Requirements

- Window Environment: 3.0 Ghz Intel Pentium D (dual-core) or faster running Window XP (Service Pack 2 or later), Windows Vista, Windows7
- Mac Environment: Intel-based Mac running Mac OS X 10.7 Lion or later
- 2GB RAM
- 1GB or greater video card
- 1280x960 resolution video support (32bit)



Operating Elements - Main Unit





Operating Elements - Battery Charging

ATCChameleon has a built-in lithium polymer rechargeable battery, you can recharge the battery via USB.

1. Switch off the Slide switch.
2. Connect the camera to a USB port with the supplied USB cable. When charging starts, the BATTERY indicator will turn red.
3. When charging is finished, the BATTERY indicator turns off.
4. Remove the camera from the USB port.



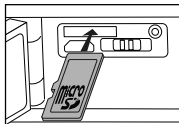
Note

- Please fully charge the battery before first use.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
- CAUTION: Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.





Operating Elements - MicroSD card Insertion



1. Open the side hatch.
2. Insert the MicroSD card until it clicks in place. Ensure the MicroSD card terminals are facing down.
3. To remove the MicroSD card, push the card until it clicks then pull the card out.



Note

- Always insert or remove the MicroSD card when the camera is off.
- MicroSD cards with Class 6 or above are recommended to use for the best performance during recording.
- Supports up to 32GB MicroSD cards.

Operating Elements - Date & Time Setting

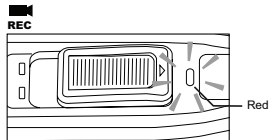
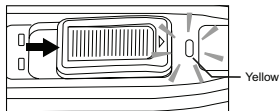


1. Download and install the ATCChameleon PC software from <http://atc.oregonscientific.com>
2. Run the PC software on the PC.
3. Connect the camera to the USB port of the PC with the supplied USB cable. Then switch on the Slide switch.
4. Click the  button on the PC software. Press SET button to send the PC local time and local main frequency setting to the camera.
5. Unplug the camera from the USB port to complete the synchronization.

Note on mains frequency

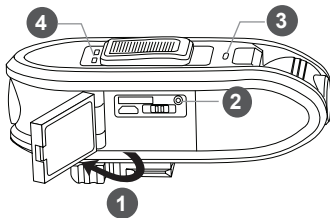
- Input the correct local mains frequency. The shutter frequency will match the local mains frequency to reduce banding and flicker effect while recording under certain types of lighting, such as fluorescent or mercury vapour lamp.
- If you are uncertain about the local mains frequency, test both 50Hz and 60Hz and choose the one that produces the best results.

Operation - Video recording



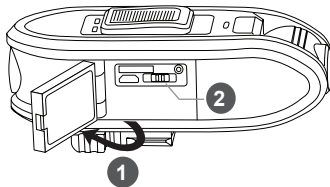
1. Switch on the Slide switch.
2. The camera is under the stand by mode while ON / OFF indicator turns yellow.
3. Recording starts in a moment when the ON / OFF indicator turns red.
4. To stop recording, switch off the Slide switch.
5. Shut down the camera.

Operation - Battery and MicroSD card memory capacity status checking



1. Open the side door.
2. Press the STATUS button to check the current battery and MicroSD card memory status.
3. The ON / OFF indicator turns yellow.
4. The battery and memory indicator turn on for indicating the status.
5. The camera will be turned off automatically.

Operation - Video screen selection



1. Open the side door
2. Select the vertical or horizontal format of video screen by sliding the video slide switch

Note

- The video will be stored in the selected video format.
- The video screen format can not be changed in PC software after recording.



Operation - Import video

Connecting to a computer with Windows operation system

Connect the camera to a computer with the provided USB cable.

Switch on the Slide switch. The computer will recognize the camera as a “removable disk”.

Open the “DCIM” folder of the removable disk.

Double click on a file to open it.

Connecting to a Mac

Connect the camera to a Macintosh with the provided USB cable and then turn on the camera.

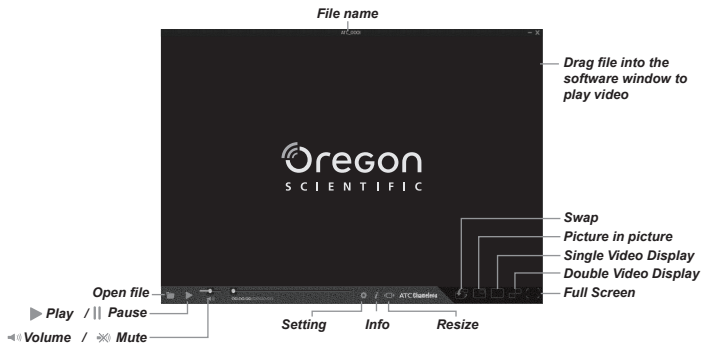
The Macintosh will recognize the camera automatically as an external hard drive

Please note that in order to remove completely the deleted files from the MicroSD card, empty the trash before ejecting the camera.



Computer software

Click the  button to select the video file or drag the file into the software window.

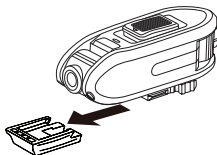




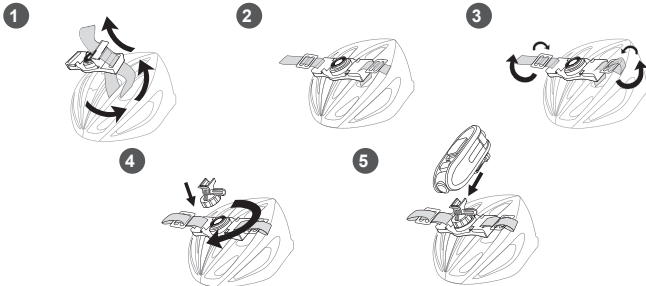
Mounting - Tripod Mount

Tripod Mounting

Slide the quick release bracket to the tripod mount.



Mounting - Vented Helmet Mount



Note

The ATCChameleon can be mounted on our range of mountings which are sold separately.



Mountings warnings

- Make sure the mounting is secure before embark.
- Do not modify the mounting object structurally to mount the camera.



Precautions - Camera

Notice the following guidelines when using your camera

- The camera is shock resistant, not shock proof.
- Do not let operating the camera distract you from your immediate surrounding.
- Do not place the camera in areas prone to dust or damp for long periods of time. This may cause a fire or an electric shock.
- Do not leave the camera in places exposed to extremely high temperatures, such as under direct sunlight, for long periods of time. This may affect the camera housing and internal components.
- Clean the lens with a soft cloth to remove fingerprints or dust.
- Do not disassemble the camera.
- Turn the camera off before the MicroSD card. The card and the data may be damaged if the MicroSD card is inserted or removed while the camera is still on.
- Remove the MicroSD card before storing the camera for long periods of time. Keep it in a well-ventilated place to prevent mould.





Precautions - Waterproof

- The camera is waterproof up to IPX4 standard. Oregon Scientific will not assume any responsibility
- for camera malfunction caused by liquid entering the camera as a result of misuse by the user.
- Liquid may get inside the camera if the battery cover is not firmly closed.
- If the camera gets wet, wipe the liquid off as soon as possible with a dry cloth.
- Other camera accessories may not be waterproof.
- Don't use the camera in extreme temperatures as this may cause the camera to malfunction.

Waste electrical and electronic equipment



The crossed-out wheeled bin indicates the product needs to be disposed of separately and not as domestic waste.



Battery disposal



Do not dispose of used batteries with domestic waste.

Notes on copyright

Users are asked to note that the transfer of memory containing photos or data protected under copyright laws is only permissible within the restrictions imposed.

Users assume all responsibility in the event that copyrights are violated by the use of this camera.



FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

* Shielded USB cable and RCA cable with ferrite must be used with this unit to ensure compliance with the class B FCC limits.





Information for Users



In accordance with European Directives 2002 / 95 / CE, 2002 / 96 / CE and 2003 / 108 / CE on the restriction of the use of dangerous substances in electric and electronic equipment as well as their waste disposal.

The barred symbol of the rubbish bin shown on the equipment indicates that, at the end of its useful life, the product must be collected separately from other waste.

Therefore, any products that have reached the end of their useful life must be given to waste disposal centres specialising in separate collection of waste electrical and electronic equipment, or given back to the retailer at the time of purchasing new similar equipment, on a one for one basis.

The adequate separate collection for the subsequent start-up of the equipment sent to be recycled, treated and disposal of in an environmentally compatible way contributes to preventing possible negative effects on the environment and health and optimises the recycling and reuse of components making up the apparatus.

Abusive disposal of the product by the user involves application of the administrative sanctions according to the laws in force.



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Oregon Scientific do not promote or endorse use of the Product in high risk, careless and / or dangerous actions.

Oregon Scientific are not responsible for personal injuries or property damage incurred during such use.

Oregon Scientific are not liable for any use or misuse of the Product or any video captured that may be considered illegal.

Oregon Scientific are not responsible for any illegal actions taken while recording, attempting to record, or editing video that was captured with the Product.

The Product's primary purpose is for recording legal sports activities as seen by all applicable laws and regulations.



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